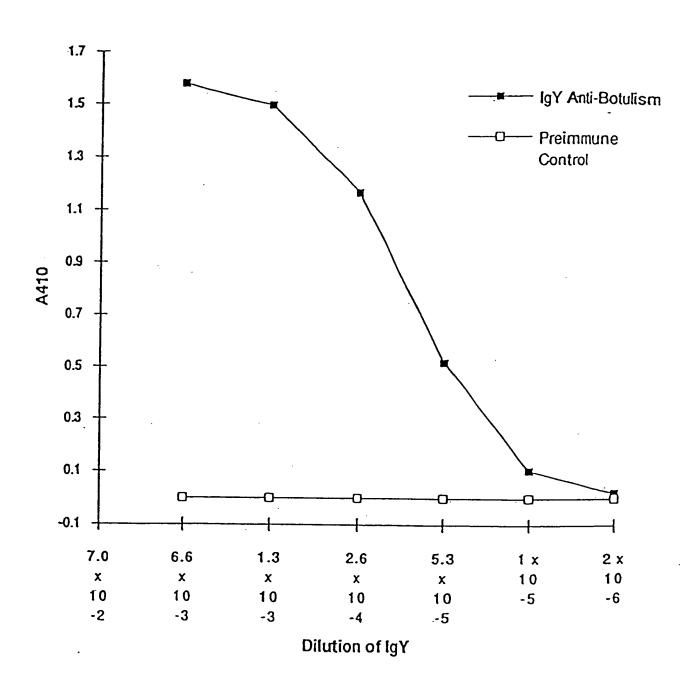
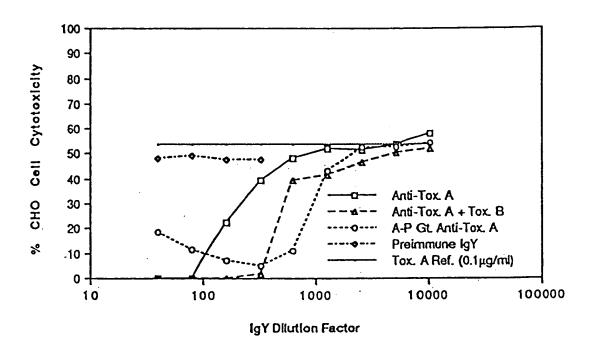
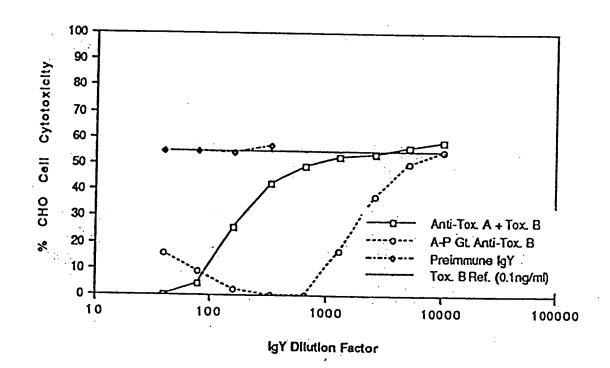
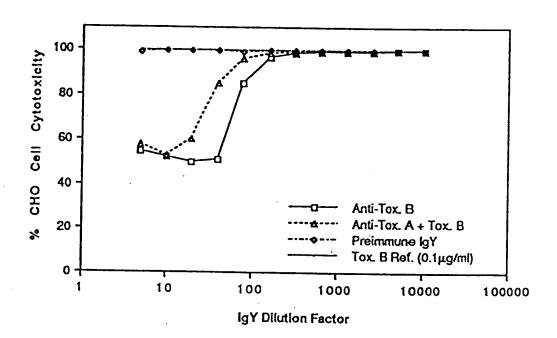


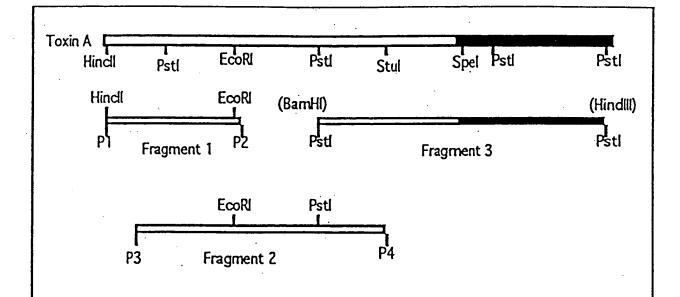
FIGURE 2



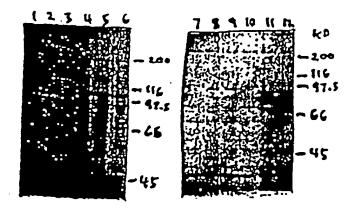








P1-P4 are PCR primers 1-4. P1=5'GGAAATTTAGCTGCAGCATCTGAC3',
P2=5'TCTAGCAAATTCGCTTGTTGTAA3',P3=5'CTCGCATATAGCATTAGACC3',
P4=5'CTATCTAGGCCTAAAGTAT3'. Indicated restriction sites in fragments 1 and 2 are internal sites used to clone into pGEX2T vector (fragment 1; construct called pGA30-660) or pMALc vector (fragment 2; construct called pMA660-1100). Bracketed restriction sites at ends of fragment 3 are pUC9 polylinker sites utilized to clone fragment 3 into pET23 vector (construct called pPA1100-2680). Numbers in these constructs refer to toxin A amino acid interval that is expressed. The shaded portion of the toxin A gene corresponds to the repeating ligand binding domain.



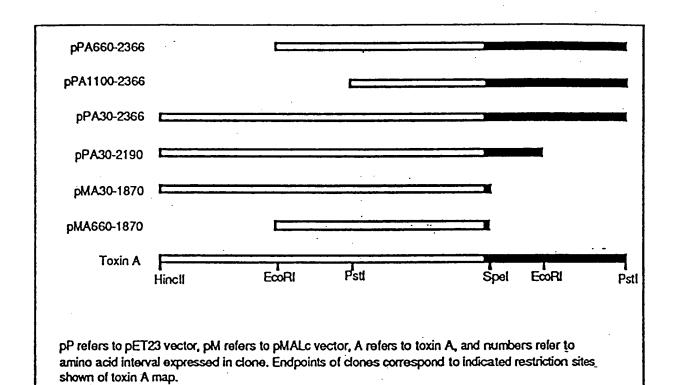
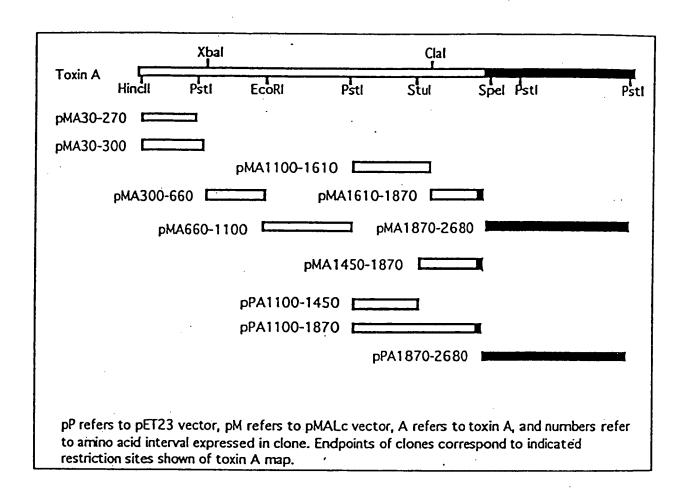
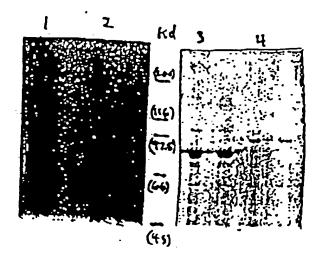
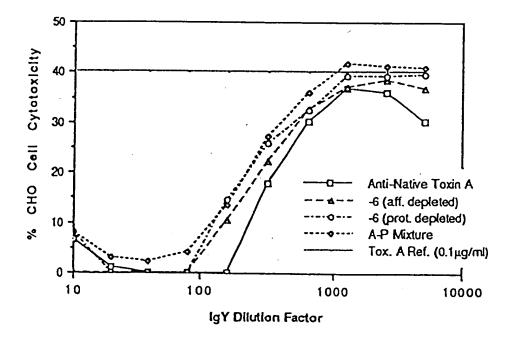


FIGURE 9







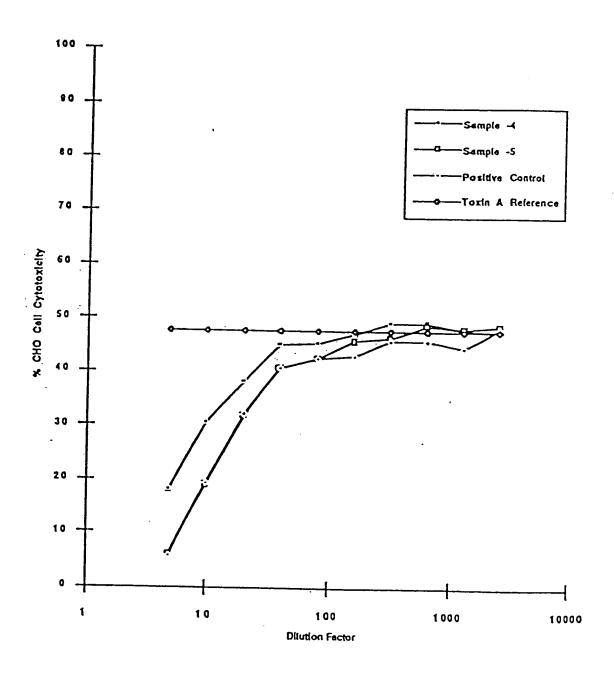
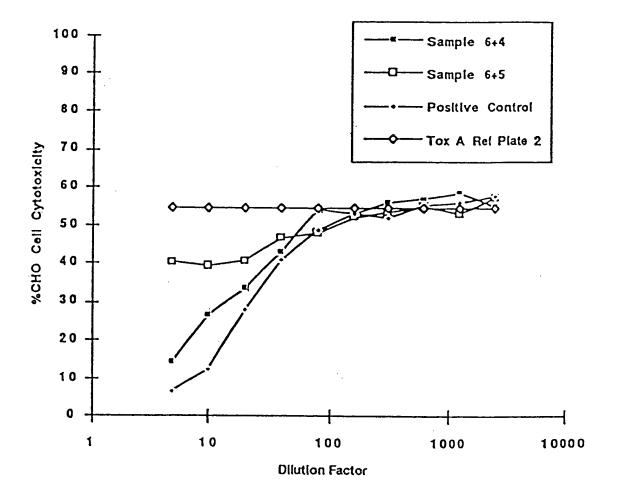
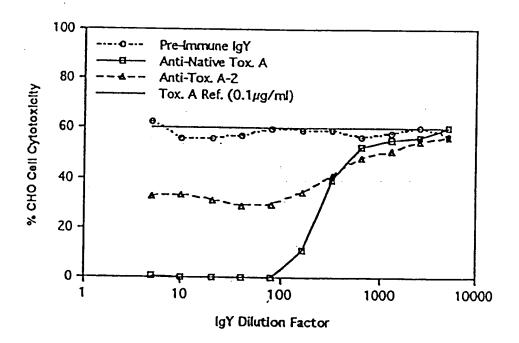
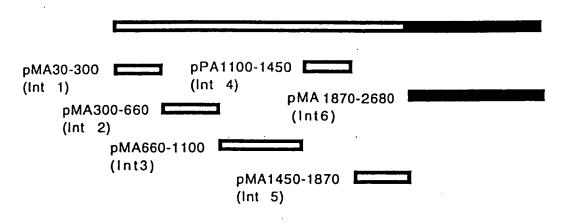


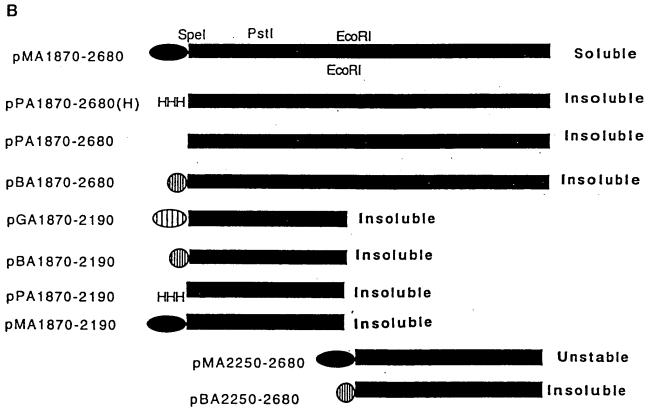
FIGURE 13

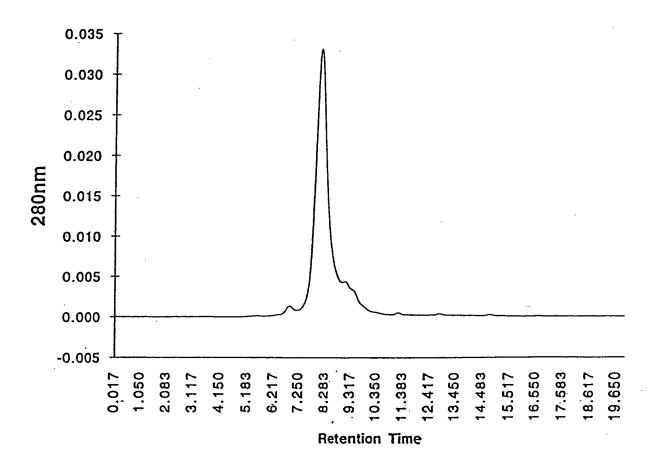


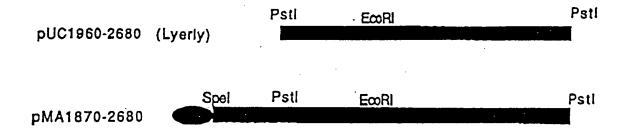


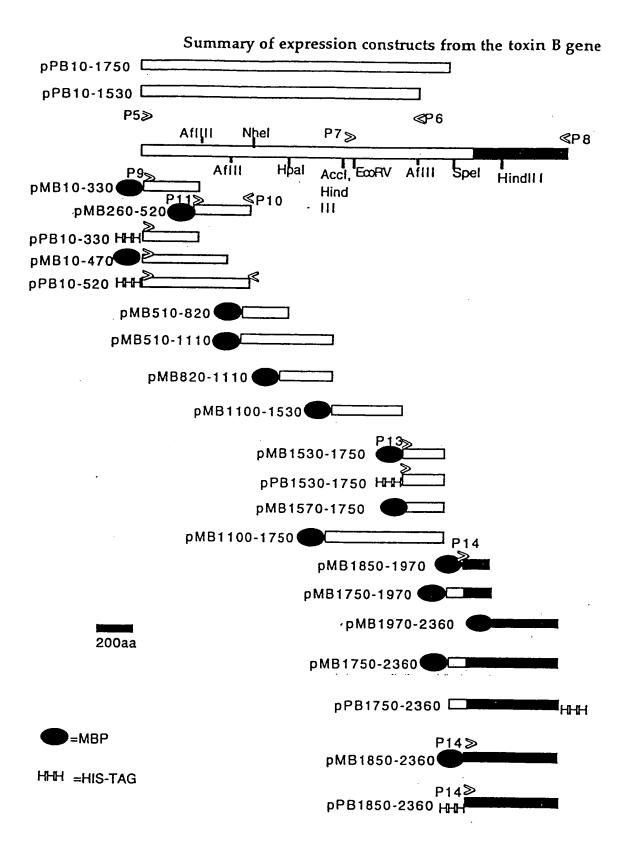
Α



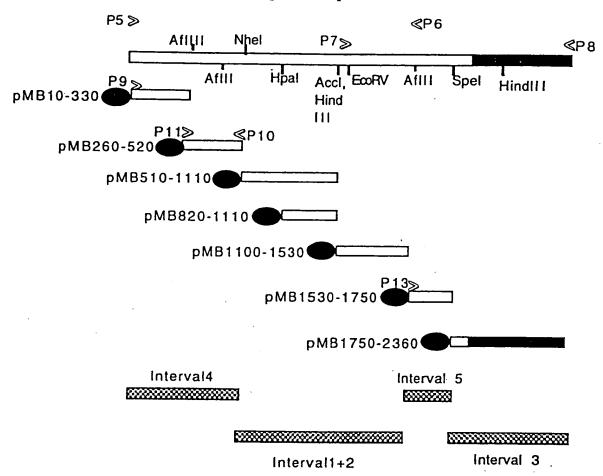


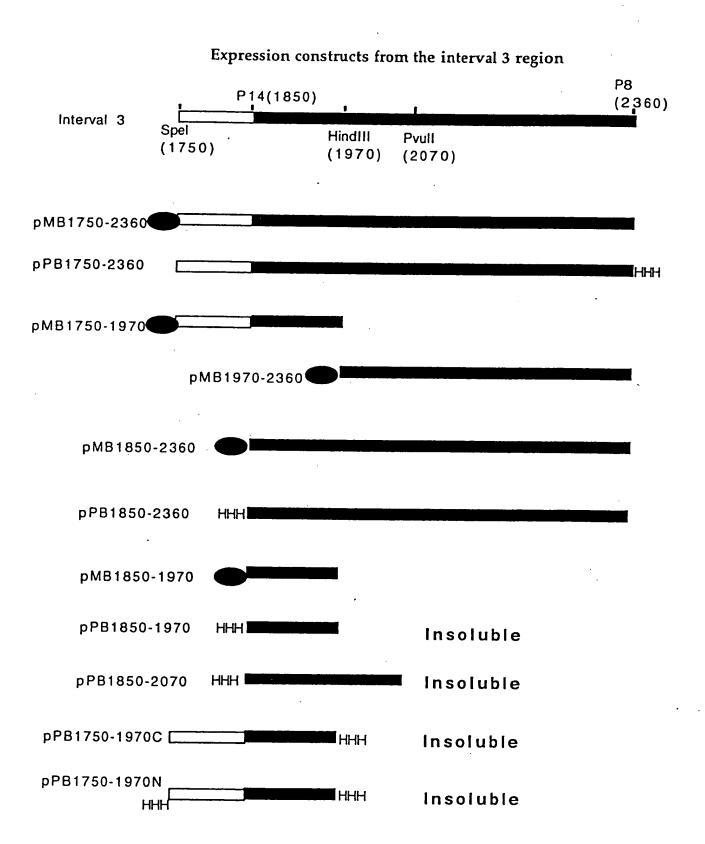


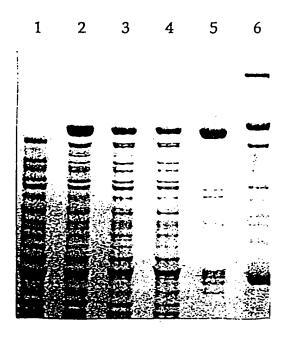


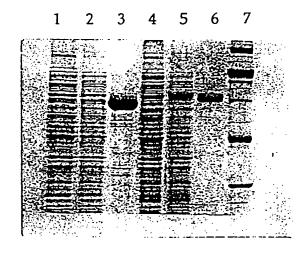


Interval specific expression constructs

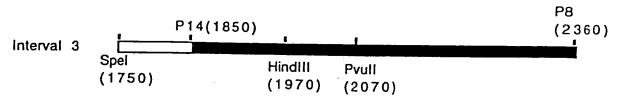


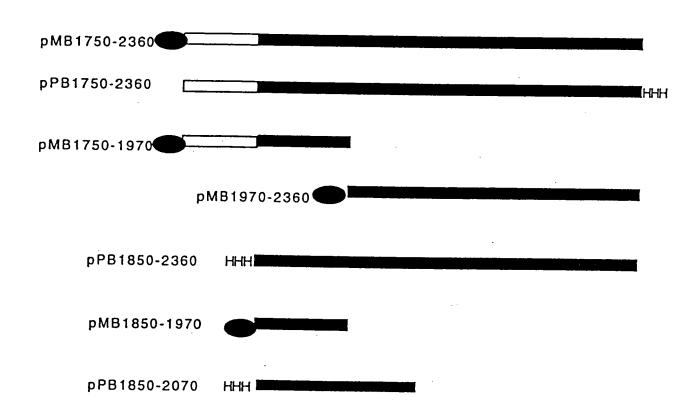


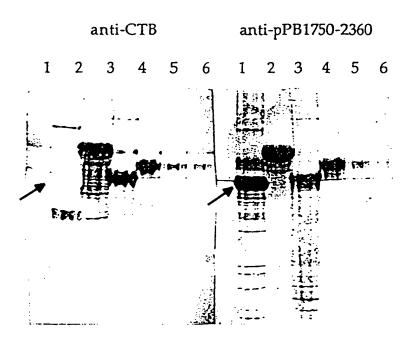


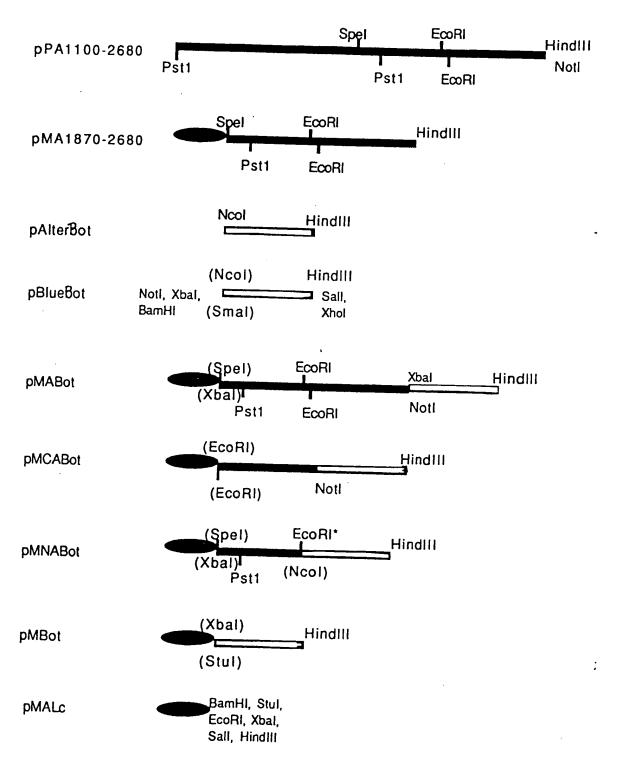


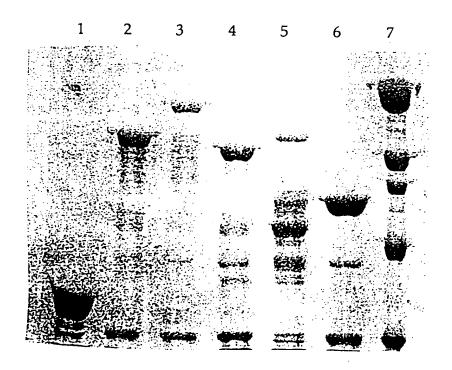
Binding of neutralizing CTB antibodies by recombinant toxin B protein

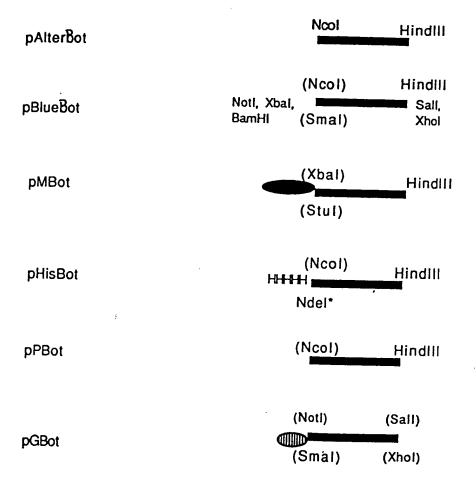


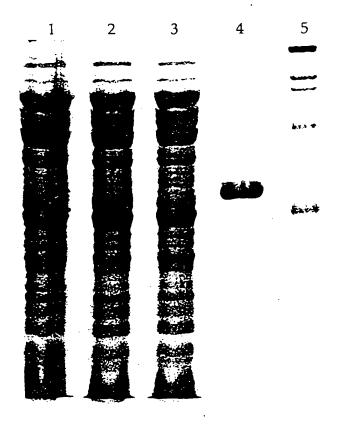












1 2 3 4 5 6 7 8 9 10 11 12 13 14

